

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2421	japanese adj encephalitis or JEV	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:42
L2	527366	primer\$ or probe\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:42
L3	191049	nucleic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:42
L4	227854	kit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:42
L5	1053	I1 and I2 and I3 and I4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:53
L6	535612	fluoresc\$ or quench\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:43
L7	956	I5 and I6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:54
L8	3120510	modification\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:44
L9	2885	\$tert-butylbenzyl\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:45

EAST Search History

L10	1336	I8 and I9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:45
L11	2	I7 and I10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:46
L12	44094	I2 and I3 and I4 and I6 and I8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:46
L13	192651	virus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:47
L15	36042	I12 and I13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:47
L16	5	I10 and I15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:52
L17	213226	I2 and I8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:51
L18	53558	young.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:52
L19	1	I18 and I7 and I10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 15:52



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- Click on query # to add to strategy

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Search

Most Recent Queries

Time Result

#23	Related Articles for PubMed (Select 1713265)	16:03:28	123
#22	Related Articles for PubMed (Select 8279959)	16:03:19	161
#21	Related Articles for PubMed (Select 15956414)	16:03:13	1003
#20	Related Articles for PubMed (Select 16714845)	16:03:08	104
#19	Search amplification detection japanese encephalitis	16:03:04	11
#18	Search amplification detection japanese encephalitis JEV	16:02:54	1
#17	Search amplification detection west nile	16:02:43	21
#16	Search primer probe west nile	16:02:21	3
#15	Search primer probe japanese encephalitis	16:02:15	4
#14	Search kit primer probe japanese encephalitis	16:02:11	0
#13	Related Articles for PubMed (Select 15847927)	16:01:42	850
#12	Search japanese encephalitis nucleic acid detection	16:01:34	34
#11	Search japanese encephalitis	16:01:21	2549
#7	Search cy5 nucleotide	12:51:12	107
#5	Search cy5	12:50:42	703
#6	Search cy5 6-carboxyfluorescein	12:49:56	2
#3	Search quencher Cy5	12:42:32	8
#2	Search quencher Cy5 nucleotide	12:42:25	2
#1	Search Cy5	12:41:52	703

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May 22 2006 06:31:57

v. oligurige

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 VERSION AY369385.1 GI:38326943
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 ORGANISM West Nile virus
 Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.
 REFERENCE 1 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Direct Submission
 JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA
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AY369386

LOCUS AY369386 464 bp RNA linear VRL 24-NOV-2004
 DEFINITION West Nile virus strain 02002395 3' noncoding region, partial
 sequence.

ACCESSION AY369386

VERSION AY369386.1 GI:38326944

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA

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RESULT 3

AY369387

LOCUS AY369387 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002554 3' noncoding region, partial sequence.

ACCESSION AY369387

VERSION AY369387.1 GI:38326945

KEYWORDS .

SOURCE West Nile virus (WNV)

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ORGANISM West Nile virus
          Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
          Flavivirus; Japanese encephalitis virus group.

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REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

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RESULT 4

AY369388

LOCUS AY369388 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002640 3' noncoding region, partial sequence.

ACCESSION AY369388

VERSION AY369388.1 GI:38326946

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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RESULT 5

AY369389

LOCUS AY369389 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002681 3' noncoding region, partial sequence.

ACCESSION AY369389

VERSION AY369389.1 GI:38326947

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Direct Submission
 JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA
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RESULT 6

AY369390

LOCUS AY369390 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002684 3' noncoding region, partial
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ACCESSION AY369390

VERSION AY369390.1 GI:38326948

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA

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RESULT 7

AY369391

LOCUS AY369391 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002735 3' noncoding region, partial sequence.

ACCESSION AY369391

VERSION AY369391.1 GI:38326949

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

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RESULT 8

AY369392

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DEFINITION West Nile virus strain 02002758 3' noncoding region, partial sequence.

ACCESSION AY369392

VERSION AY369392.1 GI:38326950

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Direct Submission
 JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA
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ACCESSION AY369393

VERSION AY369393.1 GI:38326951

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
 Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA

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RESULT 10

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DEFINITION West Nile virus strain 02002831 3' noncoding region, partial
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ACCESSION AY369394

VERSION AY369394.1 GI:38326952

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA

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RESULT 11

AY369395

LOCUS AY369395 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002868 3' noncoding region, partial
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ACCESSION AY369395

VERSION AY369395.1 GI:38326953
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 ORGANISM West Nile virus
 Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.
 REFERENCE 1 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Direct Submission
 JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA
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RESULT 12

AY369396

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 DEFINITION West Nile virus strain 02003011 3' noncoding region, partial
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ACCESSION AY369396

VERSION AY369396.1 GI:38326954

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Db          277 GGACTAGAGGTTAGAGGAGACCCGCGG 304

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RESULT 13

AY369397

LOCUS AY369397 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02003204 3' noncoding region, partial sequence.

ACCESSION AY369397

VERSION AY369397.1 GI:38326955

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Db          277 GGACTAGAGGTTAGAGGAGACCCGCGG 304

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RESULT 14

AY369398

LOCUS AY369398 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02003535 3' noncoding region, partial sequence.

ACCESSION AY369398

VERSION AY369398.1 GI:38326956

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Db 277 GGACTAGAGGTTAGAGGAGACCCGCGG 304

RESULT 15

AY369399

LOCUS AY369399 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02003557 3' noncoding region, partial sequence.

ACCESSION AY369399

VERSION AY369399.1 GI:38326957

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
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ORIGIN

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Db 277 GGACTAGAGGTTAGAGGAGACCCGCGG 304

Search completed: April 30, 2006, 21:43:17
Job time : 950.564 secs

SCORE Search Results Details for Application 10815480 and Search Result us-10-815-480-8.oligo.rge.

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Page	List	Overview	FAQ	Suggestions

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OM nucleic - nucleic search, using sw model

Run on: April 30, 2006, 20:47:48 ; Search time 848.718 Seconds
(without alignments)
1674.392 Million cell updates/sec

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Pred. No. is the number of results predicted by chance to have a

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SUMMARIES

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2	25	100.0	25	6	CQ897085	CQ897085 Sequence
3	25	100.0	395	13	AF458358	AF458358 West Nile
4	25	100.0	451	13	AF458353	AF458353 West Nile
5	25	100.0	462	13	AF458350	AF458350 West Nile
6	25	100.0	463	13	AF458344	AF458344 West Nile
7	25	100.0	463	13	AF458347	AF458347 West Nile
8	25	100.0	463	13	AF458348	AF458348 West Nile
9	25	100.0	463	13	AF458355	AF458355 West Nile
10	25	100.0	463	13	AF458360	AF458360 West Nile
11	25	100.0	463	13	AF458361	AF458361 West Nile
12	25	100.0	464	13	AY369386	AY369386 West Nile
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21	25	100.0	464	13	AY369395	AY369395 West Nile
22	25	100.0	464	13	AY369396	AY369396 West Nile
23	25	100.0	464	13	AY369397	AY369397 West Nile
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ALIGNMENTS

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DEFINITION Sequence 7 from Patent WO2004092412.

ACCESSION CQ897084

VERSION CQ897084.1 GI:55581917
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 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 REFERENCE 1
 AUTHORS Young,K.K.
 TITLE Compositions and methods for detecting certain flaviviruses,
 including members of the japanese encephalitis virus serogroup
 JOURNAL Patent: WO 2004092412-A 7 28-OCT-2004;
 Roche Diagnostics GmbH (DE); F.HOFFMANN-LA ROCHE AG (CH)
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RESULT 2

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 DEFINITION Sequence 8 from Patent WO2004092412.
 ACCESSION CQ897085
 VERSION CQ897085.1 GI:55581918
 KEYWORDS .
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 REFERENCE 1
 AUTHORS Young,K.K.
 TITLE Compositions and methods for detecting certain flaviviruses,
 including members of the japanese encephalitis virus serogroup
 JOURNAL Patent: WO 2004092412-A 8 28-OCT-2004;
 Roche Diagnostics GmbH (DE); F.HOFFMANN-LA ROCHE AG (CH)
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DEFINITION West Nile virus strain AnMg798 nonstructural protein 5 gene,
partial cds.
ACCESSION AF458358
VERSION AF458358.1 GI:21636495
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 395)
AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies
depending upon virus genotype
JOURNAL Virology 296 (1), 17-23 (2002)
PUBMED 12036314
REFERENCE 2 (bases 1 to 395)
AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
TITLE Direct Submission
JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO
Collaborating Center for Tropical Diseases, The University of Texas
Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
FEATURES Location/Qualifiers
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RESULT 4
AF458353
LOCUS AF458353 451 bp RNA linear VRL 18-JUN-2003
DEFINITION West Nile virus strain G-15578 nonstructural protein 5 gene,
partial cds.
ACCESSION AF458353
VERSION AF458353.1 GI:21636485
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 451)
AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype
 JOURNAL Virology 296 (1), 17-23 (2002)
 PUBMED 12036314
 REFERENCE 2 (bases 1 to 451)
 AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
 TITLE Direct Submission
 JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
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AF458350

LOCUS AF458350 462 bp RNA linear VRL 18-JUN-2003
 DEFINITION West Nile virus strain AnD-27875 nonstructural protein 5 gene, partial cds.

ACCESSION AF458350

VERSION AF458350.1 GI:21636479

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 462)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 462)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES Location/Qualifiers

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AF458344
LOCUS          AF458344          463 bp    RNA      linear    VRL 18-JUN-2003
DEFINITION    West Nile virus strain 68856 nonstructural protein 5 gene, partial
               cds.
ACCESSION     AF458344
VERSION       AF458344.1  GI:21636467
KEYWORDS      .
SOURCE        West Nile virus (WNV)
ORGANISM      West Nile virus
               Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
               Flavivirus; Japanese encephalitis virus group.
REFERENCE     1 (bases 1 to 463)
AUTHORS       Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
TITLE         Mouse neuroinvasive phenotype of West Nile virus strains varies
               depending upon virus genotype
JOURNAL       Virology 296 (1), 17-23 (2002)
PUBMED        12036314
REFERENCE     2 (bases 1 to 463)
AUTHORS       Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
TITLE         Direct Submission
JOURNAL       Submitted (14-DEC-2001) Department of Pathology and WHO
               Collaborating Center for Tropical Diseases, The University of Texas
               Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
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Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 7
AF458347
LOCUS AF458347 463 bp RNA linear VRL 18-JUN-2003
DEFINITION West Nile virus strain EthAn4766 nonstructural protein 5 gene,
partial cds.
ACCESSION AF458347
VERSION AF458347.1 GI:21636473
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 463)
AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies
depending upon virus genotype
JOURNAL Virology 296 (1), 17-23 (2002)
PUBMED 12036314
REFERENCE 2 (bases 1 to 463)
AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
TITLE Direct Submission
JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO
Collaborating Center for Tropical Diseases, The University of Texas
Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
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Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 8

AF458348

LOCUS AF458348 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain IbAn7019 nonstructural protein 5 gene, partial cds.

ACCESSION AF458348

VERSION AF458348.1 GI:21636475

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES Location/Qualifiers

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Best Local Similarity 100.0%; Pred. No. 0.00023;

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Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 9

AF458355

LOCUS AF458355 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain Egypt101 nonstructural protein 5 gene, partial cds.

ACCESSION AF458355

VERSION AF458355.1 GI:21636489

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;

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Flavivirus; Japanese encephalitis virus group.
REFERENCE      1  (bases 1 to 463)
AUTHORS        Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
TITLE          Mouse neuroinvasive phenotype of West Nile virus strains varies
                depending upon virus genotype
JOURNAL        Virology 296 (1), 17-23 (2002)
PUBMED         12036314
REFERENCE      2  (bases 1 to 463)
AUTHORS        Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
TITLE          Direct Submission
JOURNAL        Submitted (14-DEC-2001) Department of Pathology and WHO
                Collaborating Center for Tropical Diseases, The University of Texas
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 Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 10

AF458360

LOCUS	AF458360	463 bp	RNA	linear	VRL 18-JUN-2003
DEFINITION	West Nile virus strain 385-99 nonstructural protein 5 gene, partial cds.				

ACCESSION AF458360

VERSION AF458360.1 GI:21636499

KEYWORDS

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley, D.W., Li, L., Suderman, M.T. and Barrett, A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley, D.W.C., Li, L., Suderman, M.T. and Barrett, A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO
Collaborating Center for Tropical Diseases, The University of Texas

Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES
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3'UTR
175. .>463
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
|||||
Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 11

AF458361

LOCUS AF458361 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain 31A nonstructural protein 5 gene, partial
cds.

ACCESSION AF458361

VERSION AF458361.1 GI:21636501

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies
depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO
Collaborating Center for Tropical Diseases, The University of Texas
Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

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ORIGIN
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Db          382 GTAAGCCCTCAGAACCGTCTCGGAA 406
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RESULT 12

AY369386

LOCUS AY369386 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002395 3' noncoding region, partial sequence.

ACCESSION AY369386

VERSION AY369386.1 GI:38326944

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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ORIGIN

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Qy          1  GTAAGCCCTCAGAACCGTCTCGGAA 25
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Db          83  GTAAGCCCTCAGAACCGTCTCGGAA 107
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RESULT 13

AY369387

LOCUS AY369387 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002554 3' noncoding region, partial sequence.

ACCESSION AY369387

VERSION AY369387.1 GI:38326945

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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ORIGIN

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Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 83 GTAAGCCCTCAGAACCGTCTCGGAA 107

RESULT 14

AY369388

LOCUS AY369388 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002640 3' noncoding region, partial sequence.

ACCESSION AY369388

VERSION AY369388.1 GI:38326946

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Best Local Similarity 100.0%; Pred. No. 0.00023;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25

|||||

Db 83 GTAAGCCCTCAGAACCGTCTCGGAA 107

RESULT 15

AY369389

LOCUS AY369389 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002681 3' noncoding region, partial sequence.

ACCESSION AY369389

VERSION AY369389.1 GI:38326947

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

source 1. .464

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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25

|||||

Db 83 GTAAGCCCTCAGAACCGTCTCGGAA 107

Search completed: April 30, 2006, 21:43:17
Job time : 849.718 secs

SCORE 1.3 BuildDate: 12/06/2005

SCORE Search Results Details for Application 10815480 and Search Result us-10-815-480- 9.oligo.rge.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 10815480 and Search Result us-10-815-480-9.oligo.rge.

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OM nucleic - nucleic search, using sw model

Run on: April 30, 2006, 20:47:48 ; Search time 848.718 Seconds
(without alignments)
1674.392 Million cell updates/sec

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Perfect score: 25
Sequence: 1 tctcctagtctatcccaggtgtcaa 25

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 5883141 seqs, 28421725653 residues

Word size : 1

Total number of hits satisfying chosen parameters: 11765110

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_in:*
3: gb_env:*
4: gb_om:*
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7: gb_ph:*
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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c	3	25	100.0	464	13	AY369386	AY369386 West Nile
c	4	25	100.0	464	13	AY369387	AY369387 West Nile
c	5	25	100.0	464	13	AY369388	AY369388 West Nile
c	6	25	100.0	464	13	AY369389	AY369389 West Nile
c	7	25	100.0	464	13	AY369390	AY369390 West Nile
c	8	25	100.0	464	13	AY369391	AY369391 West Nile
c	9	25	100.0	464	13	AY369392	AY369392 West Nile
c	10	25	100.0	464	13	AY369393	AY369393 West Nile
c	11	25	100.0	464	13	AY369394	AY369394 West Nile
c	12	25	100.0	464	13	AY369395	AY369395 West Nile
c	13	25	100.0	464	13	AY369396	AY369396 West Nile
c	14	25	100.0	464	13	AY369397	AY369397 West Nile
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c	17	25	100.0	464	13	AY369400	AY369400 West Nile
c	18	25	100.0	464	13	AY369401	AY369401 West Nile
c	19	25	100.0	464	13	AY369402	AY369402 West Nile
c	20	25	100.0	464	13	AY590190	AY590190 West Nile
c	21	25	100.0	464	13	AY590191	AY590191 West Nile
c	22	25	100.0	464	13	AY590192	AY590192 West Nile
c	23	25	100.0	464	13	AY590193	AY590193 West Nile
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c	25	25	100.0	464	13	AY590195	AY590195 West Nile
c	26	25	100.0	464	13	AY590196	AY590196 West Nile
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c	32	25	100.0	464	13	AY590202	AY590202 West Nile
c	33	25	100.0	464	13	AY590203	AY590203 West Nile
c	34	25	100.0	464	13	AY590204	AY590204 West Nile
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c	36	25	100.0	464	13	AY590206	AY590206 West Nile
c	37	25	100.0	464	13	AY590207	AY590207 West Nile
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c	39	25	100.0	464	13	AY590209	AY590209 West Nile
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ALIGNMENTS

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DEFINITION Sequence 74 from Patent WO2004092412.

ACCESSION CQ897151

VERSION CQ897151.1 GI:55581984
KEYWORDS .
SOURCE synthetic construct
ORGANISM synthetic construct
other sequences; artificial sequences.
REFERENCE 1
AUTHORS Young,K.K.
TITLE Compositions and methods for detecting certain flaviviruses,
including members of the japanese encephalitis virus serogroup
JOURNAL Patent: WO 2004092412-A 74 28-OCT-2004;
Roche Diagnostics GmbH (DE); F.HOFFMANN-LA ROCHE AG (CH)
FEATURES Location/Qualifiers
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Db 1 TCTCCTAGTCTATCCCAGGTGTCAA 25

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AY369385/c
LOCUS AY369385 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002306 3' noncoding region, partial
sequence.
ACCESSION AY369385
VERSION AY369385.1 GI:38326943
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
FEATURES Location/Qualifiers
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/note="3' noncoding region"
ORIGIN

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Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25
|||||
Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 3

AY369386/c

LOCUS AY369386 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002395 3' noncoding region, partial
sequence.

ACCESSION AY369386

VERSION AY369386.1 GI:38326944

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 4

AY369387/c

LOCUS AY369387 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002554 3' noncoding region, partial
sequence.

ACCESSION AY369387

VERSION AY369387.1 GI:38326945

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus


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Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
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Db      430 TCTCCTAGTCTATCCCAGGTGTCAA 406

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RESULT 5
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LOCUS AY369388 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002640 3' noncoding region, partial
sequence.
ACCESSION AY369388
VERSION AY369388.1 GI:38326946
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
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LOCUS      AY369389      464 bp      RNA      linear      VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002681 3' noncoding region, partial
            sequence.
ACCESSION  AY369389
VERSION    AY369389.1  GI:38326947
KEYWORDS   .
SOURCE     West Nile virus (WNV)
ORGANISM   West Nile virus
            Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
            Flavivirus; Japanese encephalitis virus group.
REFERENCE  1 (bases 1 to 464)
AUTHORS    Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
            Kramer,L.D.
TITLE      Genetic and phenotypic variation of West Nile virus in New York,
            2000-2002
JOURNAL    Unpublished
REFERENCE  2 (bases 1 to 464)
AUTHORS    Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
            Kramer,L.D.
TITLE      Direct Submission
JOURNAL    Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
            Farm Rd., Slingerlands, NY 12159, USA
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ORIGIN

Query Match      100.0%;  Score 25;  DB 13;  Length 464;
Best Local Similarity 100.0%;  Pred. No. 1.2e-05;
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Qy      1 TCTCCTAGTCTATCCCAGGTGTCAA 25
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Db      430 TCTCCTAGTCTATCCCAGGTGTCAA 406
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RESULT 7
AY369390/c
LOCUS      AY369390      464 bp      RNA      linear      VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002684 3' noncoding region, partial
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sequence.
ACCESSION  AY369390
VERSION    AY369390.1  GI:38326948
KEYWORDS   .
SOURCE     West Nile virus (WNV)
ORGANISM   West Nile virus
            Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
            Flavivirus; Japanese encephalitis virus group.
REFERENCE  1  (bases 1 to 464)
AUTHORS    Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
            Kramer,L.D.
TITLE      Genetic and phenotypic variation of West Nile virus in New York,
            2000-2002
JOURNAL     Unpublished
REFERENCE  2  (bases 1 to 464)
AUTHORS    Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
            Kramer,L.D.
TITLE      Direct Submission
JOURNAL     Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
            Farm Rd., Slingerlands, NY 12159, USA
FEATURES   Location/Qualifiers
            source          1..464
                               /organism="West Nile virus"
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                               /strain="02002684"
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            misc_feature    <1..>464
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ORIGIN

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Best Local Similarity 100.0%;  Pred. No. 1.2e-05;
Matches 25;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      1 TCTCCTAGTCTATCCCAGGTGTCAA 25
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Db      430 TCTCCTAGTCTATCCCAGGTGTCAA 406

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RESULT 8
AY369391/c
LOCUS      AY369391          464 bp    RNA        linear    VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002735 3' noncoding region, partial
            sequence.
ACCESSION  AY369391
VERSION    AY369391.1  GI:38326949
KEYWORDS   .
SOURCE     West Nile virus (WNV)
ORGANISM   West Nile virus
            Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
            Flavivirus; Japanese encephalitis virus group.
REFERENCE  1  (bases 1 to 464)
AUTHORS    Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
            Kramer,L.D.
TITLE      Genetic and phenotypic variation of West Nile virus in New York,
            2000-2002
JOURNAL     Unpublished
REFERENCE  2  (bases 1 to 464)
AUTHORS    Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
            Kramer,L.D.
TITLE      Direct Submission
JOURNAL     Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State

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Farm Rd., Slingerlands, NY 12159, USA

FEATURES

source 1. .464

/organism="West Nile virus"

/mol_type="genomic RNA"

/strain="02002735"

/specific_host="American Crow"

/db_xref="taxon:11082"

misc_feature <1. .>464

/note="3' noncoding region"

ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;

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Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 9

AY369392/c

LOCUS AY369392 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002758 3' noncoding region, partial sequence.

ACCESSION AY369392

VERSION AY369392.1 GI:38326950

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES

source 1. .464

/organism="West Nile virus"

/mol_type="genomic RNA"

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/specific_host="American Crow"

/db_xref="taxon:11082"

misc_feature <1. .>464

/note="3' noncoding region"

ORIGIN

Query Match 100.0%; Score 25; DB 13; Length 464;

Best Local Similarity 100.0%; Pred. No. 1.2e-05;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25

|||||

Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 10

AY369393/c

LOCUS AY369393 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002771 3' noncoding region, partial sequence.

ACCESSION AY369393

VERSION AY369393.1 GI:38326951

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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ORIGIN

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Best Local Similarity 100.0%;  Pred. No. 1.2e-05;
Matches 25;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy      1 TCTCCTAGTCTATCCCAGGTGTC AA 25
          |||
Db      430 TCTCCTAGTCTATCCCAGGTGTC AA 406

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RESULT 11

AY369394/c

LOCUS AY369394 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002831 3' noncoding region, partial sequence.

ACCESSION AY369394

VERSION AY369394.1 GI:38326952

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Direct Submission
 JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA
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 Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 12

AY369395/c

LOCUS AY369395 464 bp RNA linear VRL 24-NOV-2004
 DEFINITION West Nile virus strain 02002868 3' noncoding region, partial
 sequence.

ACCESSION AY369395

VERSION AY369395.1 GI:38326953

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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 /note="3' noncoding region"

ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25
|||||
Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 13

AY369396/c

LOCUS AY369396 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02003011 3' noncoding region, partial
sequence.

ACCESSION AY369396

VERSION AY369396.1 GI:38326954

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25
|||||
Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 14

AY369397/c

LOCUS AY369397 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02003204 3' noncoding region, partial
sequence.

ACCESSION AY369397

VERSION AY369397.1 GI:38326955

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;

Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 15

AY369398/c

LOCUS AY369398 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02003535 3' noncoding region, partial sequence.

ACCESSION AY369398

VERSION AY369398.1 GI:38326956

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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/specific_host="American Crow"


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ORIGIN

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 Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

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VERSION CQ897084.1 GI:55581917
 KEYWORDS .
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 REFERENCE 1
 AUTHORS Young, K.K.
 TITLE Compositions and methods for detecting certain flaviviruses,
 including members of the japanese encephalitis virus serogroup
 JOURNAL Patent: WO 2004092412-A 7 28-OCT-2004;
 Roche Diagnostics GmbH (DE); F.HOFFMANN-LA ROCHE AG (CH)
 FEATURES Location/Qualifiers
 source 1. .25
 /organism="synthetic construct"
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 |||||
 Db 1 GTAAGCCCTCAGAACCGTCTCGGAA 25

RESULT 2

CQ897085

LOCUS CQ897085 25 bp DNA linear PAT 08-NOV-2004

DEFINITION Sequence 8 from Patent WO2004092412.

ACCESSION CQ897085

VERSION CQ897085.1 GI:55581918

KEYWORDS .

SOURCE synthetic construct

ORGANISM synthetic construct

other sequences; artificial sequences.

REFERENCE 1

AUTHORS Young, K.K.

TITLE Compositions and methods for detecting certain flaviviruses,
including members of the japanese encephalitis virus serogroupJOURNAL Patent: WO 2004092412-A 8 28-OCT-2004;
Roche Diagnostics GmbH (DE); F.HOFFMANN-LA ROCHE AG (CH)

FEATURES Location/Qualifiers

source 1. .25
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"
 /note="Example Primer 1"

ORIGIN

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 Best Local Similarity 100.0%; Pred. No. 0.00032;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
 |||||
 Db 1 GTAAGCCCTCAGAACCGTCTCGGAA 25

RESULT 3

AF458358

8.0 lig. seq.

LOCUS AF458358 395 bp RNA linear VRL 18-JUN-2003
 DEFINITION West Nile virus strain AnMg798 nonstructural protein 5 gene, partial cds.
 ACCESSION AF458358
 VERSION AF458358.1 GI:21636495
 KEYWORDS .
 SOURCE West Nile virus (WNV)
 ORGANISM West Nile virus
 Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.
 REFERENCE 1 (bases 1 to 395)
 AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
 TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype
 JOURNAL Virology 296 (1), 17-23 (2002)
 PUBMED 12036314
 REFERENCE 2 (bases 1 to 395)
 AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
 TITLE Direct Submission
 JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
 FEATURES Location/Qualifiers
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 /db_xref="taxon:11082"
 CDS <1. .174
 /note="NS5"
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 /product="nonstructural protein 5"
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 /db_xref="GI:21636496"
 /translation="DIWCGSLIGTRTRATWAENIHVAINQVRSLIGEGKYVDYMSSLR
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 3'UTR 175. .>395
 ORIGIN

Query Match 100.0%; Score 25; DB 13; Length 395;
 Best Local Similarity 100.0%; Pred. No. 0.00023;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
 |||||
 Db 314 GTAAGCCCTCAGAACCGTCTCGGAA 338

RESULT 4
 AF458353
 LOCUS AF458353 451 bp RNA linear VRL 18-JUN-2003
 DEFINITION West Nile virus strain G-15578 nonstructural protein 5 gene, partial cds.
 ACCESSION AF458353
 VERSION AF458353.1 GI:21636485
 KEYWORDS .
 SOURCE West Nile virus (WNV)
 ORGANISM West Nile virus
 Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.
 REFERENCE 1 (bases 1 to 451)
 AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype
 JOURNAL Virology 296 (1), 17-23 (2002)
 PUBMED 12036314
 REFERENCE 2 (bases 1 to 451)
 AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
 TITLE Direct Submission
 JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
 FEATURES Location/Qualifiers
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 CDS <1. .174
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 /codon_start=1
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 /db_xref="GI:21636486"
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 ORIGIN

Query Match 100.0%; Score 25; DB 13; Length 451;
 Best Local Similarity 100.0%; Pred. No. 0.00023;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
 |||||
 Db 370 GTAAGCCCTCAGAACCGTCTCGGAA 394

RESULT 5
 AF458350
 LOCUS AF458350 462 bp RNA linear VRL 18-JUN-2003
 DEFINITION West Nile virus strain AnD-27875 nonstructural protein 5 gene, partial cds.
 ACCESSION AF458350
 VERSION AF458350.1 GI:21636479
 KEYWORDS .
 SOURCE West Nile virus (WNV)
 ORGANISM West Nile virus
 Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.
 REFERENCE 1 (bases 1 to 462)
 AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
 TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype
 JOURNAL Virology 296 (1), 17-23 (2002)
 PUBMED 12036314
 REFERENCE 2 (bases 1 to 462)
 AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
 TITLE Direct Submission
 JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
 FEATURES Location/Qualifiers
 source 1. .462

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                                /db_xref="taxon:11082"
CDS                             <1..174
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ORIGIN
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Query Match          100.0%;  Score 25;  DB 13;  Length 462;
Best Local Similarity 100.0%;  Pred. No. 0.00023;
Matches   25;  Conservative    0;  Mismatches    0;  Indels      0;  Gaps      0;

Qy          1 GTAAGCCCTCAGAACCGTCTCGGAA 25
            |||
Db          381 GTAAGCCCTCAGAACCGTCTCGGAA 405
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RESULT 6
AF458344
LOCUS          AF458344          463 bp    RNA      linear    VRL 18-JUN-2003
DEFINITION     West Nile virus strain 68856 nonstructural protein 5 gene, partial
                cds.
ACCESSION      AF458344
VERSION        AF458344.1  GI:21636467
KEYWORDS       .
SOURCE         West Nile virus (WNV)
ORGANISM       West Nile virus
                Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
                Flavivirus; Japanese encephalitis virus group.
REFERENCE      1 (bases 1 to 463)
AUTHORS        Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
TITLE          Mouse neuroinvasive phenotype of West Nile virus strains varies
                depending upon virus genotype
JOURNAL        Virology 296 (1), 17-23 (2002)
PUBMED         12036314
REFERENCE      2 (bases 1 to 463)
AUTHORS        Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
TITLE          Direct Submission
JOURNAL        Submitted (14-DEC-2001) Department of Pathology and WHO
                Collaborating Center for Tropical Diseases, The University of Texas
                Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA
FEATURES
  source       Location/Qualifiers
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CDS            <1..174
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3'UTR 175. .>463
ORIGIN

Query Match 100.0%; Score 25; DB 13; Length 463;
Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
|||||
Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 7

AF458347

LOCUS AF458347 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain EthAn4766 nonstructural protein 5 gene,
partial cds.

ACCESSION AF458347

VERSION AF458347.1 GI:21636473

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies
depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO
Collaborating Center for Tropical Diseases, The University of Texas
Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES Location/Qualifiers

source 1. .463

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/virion

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/db_xref="taxon:11082"

CDS <1. .174

/note="NS5"

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/db_xref="GI:21636474"

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RYEDTTLVEDTVL"

3'UTR 175. .>463

ORIGIN

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Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
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Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 8

AF458348

LOCUS AF458348 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain IbAn7019 nonstructural protein 5 gene, partial cds.

ACCESSION AF458348

VERSION AF458348.1 GI:21636475

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES Location/Qualifiers

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/virion

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/strain="IbAn7019"

/db_xref="taxon:11082"

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RYEDTTLVEDTVL"

3'UTR

175. .>463

ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25

|||||

Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 9

AF458355

LOCUS AF458355 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain Egypt101 nonstructural protein 5 gene, partial cds.

ACCESSION AF458355

VERSION AF458355.1 GI:21636489

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;

Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)
AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.
TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype
JOURNAL Virology 296 (1), 17-23 (2002)
PUBMED 12036314

REFERENCE 2 (bases 1 to 463)
AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.
TITLE Direct Submission
JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES Location/Qualifiers
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CDS <1..174
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/codon_start=1
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3'UTR 175. .>463
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
|||||
Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 10

AF458360

LOCUS AF458360 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain 385-99 nonstructural protein 5 gene, partial cds.

ACCESSION AF458360

VERSION AF458360.1 GI:21636499

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO Collaborating Center for Tropical Diseases, The University of Texas

Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES
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/virion
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/db_xref="taxon:11082"
CDS <1. .174
/note="NS5"
/codon_start=1
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RYEDTTLVEDTVL"
3'UTR 175. .>463
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
|||||
Db 382 GTAAGCCCTCAGAACCGTCTCGGAA 406

RESULT 11

AF458361

LOCUS AF458361 463 bp RNA linear VRL 18-JUN-2003

DEFINITION West Nile virus strain 31A nonstructural protein 5 gene, partial
cds.

ACCESSION AF458361

VERSION AF458361.1 GI:21636501

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 463)

AUTHORS Beasley,D.W., Li,L., Suderman,M.T. and Barrett,A.D.

TITLE Mouse neuroinvasive phenotype of West Nile virus strains varies
depending upon virus genotype

JOURNAL Virology 296 (1), 17-23 (2002)

PUBMED 12036314

REFERENCE 2 (bases 1 to 463)

AUTHORS Beasley,D.W.C., Li,L., Suderman,M.T. and Barrett,A.D.T.

TITLE Direct Submission

JOURNAL Submitted (14-DEC-2001) Department of Pathology and WHO
Collaborating Center for Tropical Diseases, The University of Texas
Medical Branch, 301 University Blvd., Galveston, TX 77555-0609, USA

FEATURES
source 1. .463
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/product="nonstructural protein 5"

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ORIGIN
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Db          382 GTAAGCCCTCAGAACCGTCTCGGAA 406
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RESULT 12

AY369386

LOCUS AY369386 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002395 3' noncoding region, partial sequence.

ACCESSION AY369386

VERSION AY369386.1 GI:38326944

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

source 1. .464

/organism="West Nile virus"

/mol_type="genomic RNA"

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/db_xref="taxon:11082"

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ORIGIN

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Db          83 GTAAGCCCTCAGAACCGTCTCGGAA 107
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RESULT 13

AY369387

LOCUS AY369387 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002554 3' noncoding region, partial sequence.

ACCESSION AY369387

VERSION AY369387.1 GI:38326945

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

source 1. .464
/organism="West Nile virus"
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/strain="02002554"
/specific_host="American Crow"
/db_xref="taxon:11082"

misc_feature <1. .>464
/note="3' noncoding region"

ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTAAGCCCTCAGAACCGTCTCGGAA 25
|||||

Db 83 GTAAGCCCTCAGAACCGTCTCGGAA 107

RESULT 14

AY369388

LOCUS AY369388 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002640 3' noncoding region, partial sequence.

ACCESSION AY369388

VERSION AY369388.1 GI:38326946

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

source 1. .464

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/mol_type="genomic RNA"

/strain="02002640"

/specific_host="American Crow"

/db_xref="taxon:11082"

misc_feature <1. .>464

/note="3' noncoding region"

ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.00023;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||

Db 83 GTAAGCCCTCAGAACCGTCTCGGAA 107

RESULT 15

AY369389

LOCUS AY369389 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002681 3' noncoding region, partial sequence.

ACCESSION AY369389

VERSION AY369389.1 GI:38326947

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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/strain="02002681"

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/note="3' noncoding region"

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Db 83 GTAAGCCCTCAGAACCGTCTCGGAA 107

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VERSION CQ897151.1 GI:55581984 *q. clgcr, rgl*
 KEYWORDS .
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 REFERENCE 1
 AUTHORS Young, K.K.
 TITLE Compositions and methods for detecting certain flaviviruses,
 including members of the japanese encephalitis virus serogroup
 JOURNAL Patent: WO 2004092412-A 74 28-OCT-2004;
 Roche Diagnostics GmbH (DE); F.HOFFMANN-LA ROCHE AG (CH)
 FEATURES Location/Qualifiers
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 Db 1 TCTCCTAGTCTATCCCAGGTGTCAA 25

RESULT 2

AY369385/c

LOCUS AY369385 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002306 3' noncoding region, partial
sequence.

ACCESSION AY369385

VERSION AY369385.1 GI:38326943

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel, G.D., Carricaburu, J.E., Young, D.S., Bernard, K.A. and
Kramer, L.D.TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel, G.D., Carricaburu, J.E., Young, D.S., Bernard, K.A. and
Kramer, L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

source 1. .464
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 /mol_type="genomic RNA"
 /strain="02002306"
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 /db_xref="taxon:11082"
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 /note="3' noncoding region"

ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25
|||||
Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 3

AY369386/c

LOCUS AY369386 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002395 3' noncoding region, partial
sequence.

ACCESSION AY369386

VERSION AY369386.1 GI:38326944

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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/strain="02002395"
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/note="3' noncoding region"

ORIGIN

Query Match 100.0%; Score 25; DB 13; Length 464;
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Qy 1 TCTCCTAGTCTATCCCAGGTGTCAA 25
|||||
Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 4

AY369387/c

LOCUS AY369387 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002554 3' noncoding region, partial
sequence.

ACCESSION AY369387

VERSION AY369387.1 GI:38326945

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

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Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
FEATURES Location/Qualifiers
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/strain="02002554"
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/note="3' noncoding region"

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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
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Db      430 TCTCCTAGTCTATCCCAGGTGTCAA 406

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RESULT 5
AY369388/c
LOCUS AY369388 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002640 3' noncoding region, partial
sequence.
ACCESSION AY369388
VERSION AY369388.1 GI:38326946
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
FEATURES Location/Qualifiers
source 1. .464
/organism="West Nile virus"
/mol_type="genomic RNA"
/strain="02002640"

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misc_feature      /specific_host="American Crow"
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                  /note="3' noncoding region"
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ORIGIN

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Query Match      100.0%;  Score 25;  DB 13;  Length 464;
Best Local Similarity 100.0%;  Pred. No. 1.2e-05;
Matches 25;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy      1 TCTCCTAGTCTATCCCAGGTGTCAA 25
        |||
Db      430 TCTCCTAGTCTATCCCAGGTGTCAA 406
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RESULT 6

AY369389/c

LOCUS AY369389 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002681 3' noncoding region, partial sequence.

ACCESSION AY369389

VERSION AY369389.1 GI:38326947

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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source          1..464
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misc_feature     <1..>464
                  /note="3' noncoding region"
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ORIGIN

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Best Local Similarity 100.0%;  Pred. No. 1.2e-05;
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Qy      1 TCTCCTAGTCTATCCCAGGTGTCAA 25
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Db      430 TCTCCTAGTCTATCCCAGGTGTCAA 406
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RESULT 7

AY369390/c

LOCUS AY369390 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002684 3' noncoding region, partial

sequence.
ACCESSION AY369390
VERSION AY369390.1 GI:38326948
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA
FEATURES Location/Qualifiers
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RESULT 8
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LOCUS AY369391 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02002735 3' noncoding region, partial
sequence.
ACCESSION AY369391
VERSION AY369391.1 GI:38326949
KEYWORDS .
SOURCE West Nile virus (WNV)
ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.
REFERENCE 1 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 464)
AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.
TITLE Direct Submission
JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State

Farm Rd., Slingerlands, NY 12159, USA

FEATURES

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 9

AY369392/c

LOCUS AY369392 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002758 3' noncoding region, partial sequence.

ACCESSION AY369392

VERSION AY369392.1 GI:38326950

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 10

AY369393/c

LOCUS AY369393 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002771 3' noncoding region, partial sequence.

ACCESSION AY369393

VERSION AY369393.1 GI:38326951

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 11

AY369394/c

LOCUS AY369394 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02002831 3' noncoding region, partial sequence.

ACCESSION AY369394

VERSION AY369394.1 GI:38326952

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 464)
 AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.
 TITLE Direct Submission
 JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA
 FEATURES Location/Qualifiers
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 Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 12

AY369395/c

LOCUS AY369395 464 bp RNA linear VRL 24-NOV-2004
 DEFINITION West Nile virus strain 02002868 3' noncoding region, partial
 sequence.

ACCESSION AY369395

VERSION AY369395.1 GI:38326953

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
 Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
 Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
 Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 13

AY369396/c

LOCUS AY369396 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02003011 3' noncoding region, partial
sequence.

ACCESSION AY369396

VERSION AY369396.1 GI:38326954

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York,
2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and
Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State
Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 14

AY369397/c

LOCUS AY369397 464 bp RNA linear VRL 24-NOV-2004
DEFINITION West Nile virus strain 02003204 3' noncoding region, partial
sequence.

ACCESSION AY369397

VERSION AY369397.1 GI:38326955

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;

Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

RESULT 15

AY369398/c

LOCUS AY369398 464 bp RNA linear VRL 24-NOV-2004

DEFINITION West Nile virus strain 02003535 3' noncoding region, partial sequence.

ACCESSION AY369398

VERSION AY369398.1 GI:38326956

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae; Flavivirus; Japanese encephalitis virus group.

REFERENCE 1 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Genetic and phenotypic variation of West Nile virus in New York, 2000-2002

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 464)

AUTHORS Ebel,G.D., Carricaburu,J.E., Young,D.S., Bernard,K.A. and Kramer,L.D.

TITLE Direct Submission

JOURNAL Submitted (18-AUG-2003) DID, Wadsworth Center, NYSDOH, 5668 State Farm Rd., Slingerlands, NY 12159, USA

FEATURES Location/Qualifiers

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Db 430 TCTCCTAGTCTATCCCAGGTGTCAA 406

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